

## Specifications for the replacement of St Helena's streetlighting stock.

### Scope

This project is for the supply and installation of the replacement streetlighting stock. The improvements are necessary because the existing stock is unreliable and inefficient.

The works will in 4 phases (anticipated dates are shown):-

Phase 1- Replace the existing 67 solar lights on the Island. (Dec 2015)

Phase 2- Replacement of 41 mains lights in Longwood, Levelwood, Half Tree Hollow and St Pauls (Apr 2016)

Phase 3- Replacement of 104 mains lights in the Jamestown district (Sep 2016)

Phase 4- Replacement of 70 lights on Jacobs Ladder (To be agreed)

ENRD would expect to order goods on a "call-off" arrangement and pay as appropriate on order and

### Specification

The specification for the replacement solar streetlighting heads is as follows.

- The replacement heads are intended to replace the existing solar and part of the mains streetlighting stock.
- The replacement units shall be sourced from the EU.
- The replacement units shall be compliant with BS EN 60598: Luminaires - Specification for luminaires for road and street-lighting.
- The replacement units must have a warranty valid in St Helena of at least 5 years.
- The replacement unit shall be made from an anti corrosion and anti-rust alloy material. They will resist galvanic corrosion.
- The replacement solar unit will have a lithium ion battery for maximum life.
- The replacement solar unit will be a single component comprising of a solar panelled power generation system and LED light source integrated in one fitting.
- The replacement solar unit will have motion sensor activation, enabling the light source to activate full power when someone is approaching and to dim when nobody is in the vicinity.
- The replacement units will be dark sky compliant.

The specification for the replacement mains operated LED streetlighting heads is as follows.

- The replacement units shall be sourced from the EU.
- The replacement units shall be compliant with BS EN 60598: Luminaires - Specification for luminaires for road and street-lighting.
- The replacement units must have a warranty valid in St Helena of at least 10 years.
- The replacement units shall be maintenance free
- The replacement units shall use an LED light source
- The replacement unit shall be made from an anti corrosion and anti-rust alloy material. They will resist galvanic corrosion.
- The replacement units will be dark sky compliant.
- The mains operated replacement streetlight heads shall be manufactured by the same company as the replacement solar streetlighting heads.

The specification for the replacement of mains operated lights on Jacobs ladder are as follows.

- The replacement units shall be sourced from the EU.
- The replacement units shall be solar powered if possible.
- The replacement units must have a warranty valid in St Helena of at least 5 years.
- The replacement units shall be maintenance free
- The replacement units shall use an LED light source
- The replacement unit shall be made from an anti corrosion material.
- If up lighting units are selected they must be IP67 rated.

#### **Current Lighting on Jacob's ladder**

